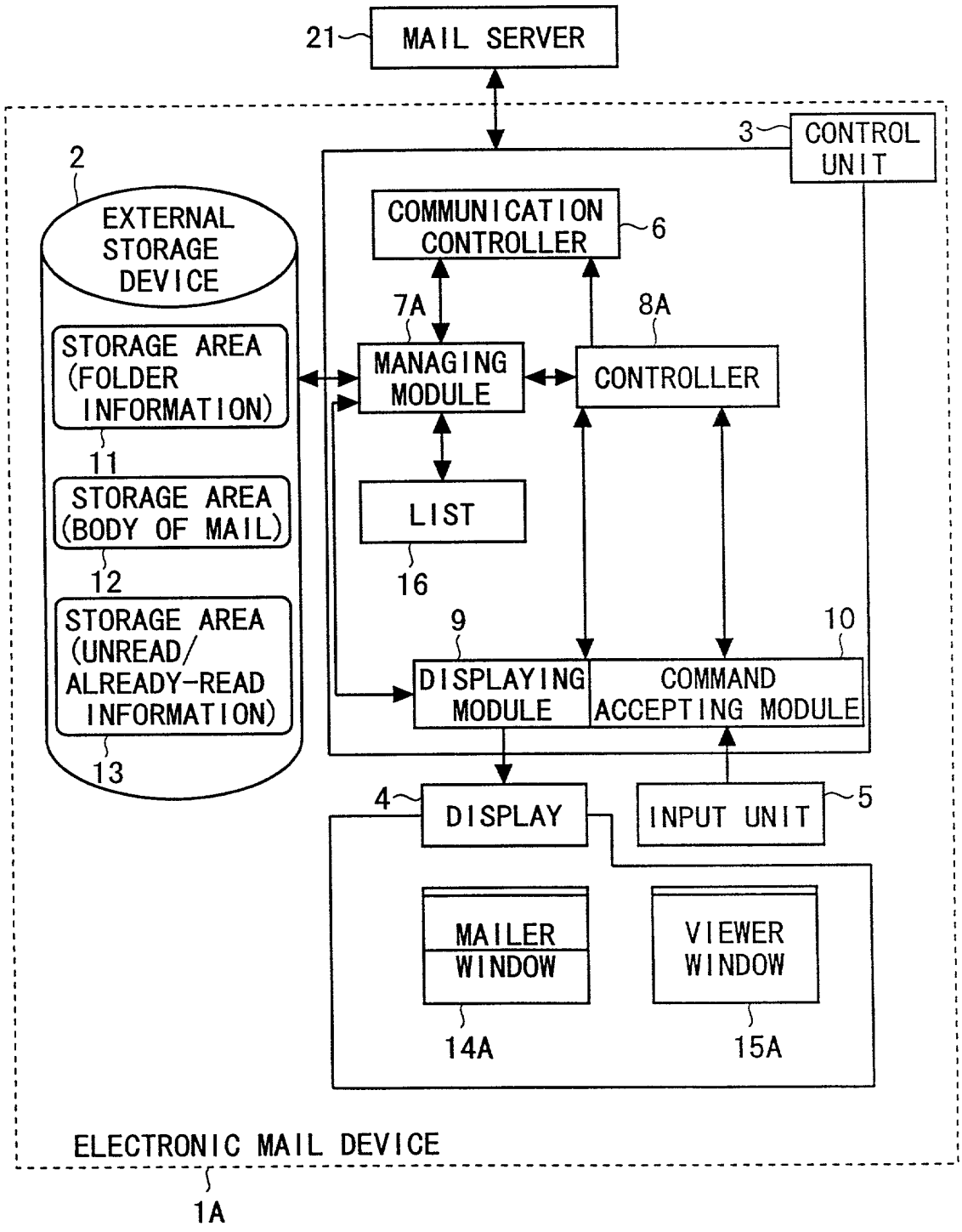
*FIG. 1*


21
MAIL SERVER
3
CONTROL UNIT
2
EXTERNAL STORAGE DEVICE
COMMUNICATION CONTROLLER
6
7A
8A
STORAGE AREA (FOLDER INFORMATION)
11
MANAGING MODULE
CONTROLLER
STORAGE AREA (BODY OF MAIL)
12
LIST
16
STORAGE AREA (UNREAD/ ALREADY-READ INFORMATION)
13
9
10
DISPLAYING MODULE
COMMAND ACCEPTING MODULE
4
DISPLAY
INPUT UNIT
5
MAILER WINDOW
VIEWER WINDOW
14A
15A
ELECTRONIC MAIL DEVICE
1A

TOSHIBA 5303 /EN

*FIG. 2*

12

| INDEX | BODY OF MAIL |
|---|---|
| MAIL 1 | TODAY'S DISCUSSION IS··· |
| MAIL 2 | A SCHEDULE OF [URGENT] MEETING IS··· |
| MAIL 3 | A RECENT TREND OF PERSONAL COMPUTER IS··· |
| MAIL 4 | AN EXAMINATION [REQUEST] OF A PLANNING REPORT OF COMMERCIAL ARTICLES IS··· |
| MAIL 5 | THIS IS A REPORT OF PROGRESS |

*FIG. 3*

| INDEX | UNREAD/ALRADY-READ INFORMATION |
|---|---|
| MAIL 1 | UNREAD |
| MAIL 2 | ALREADY READ |
| MAIL 3 | ALREADY READ |
| MAIL 4 | UNREAD |
| MAIL 5 | UNREAD |

13

*FIG. 4*

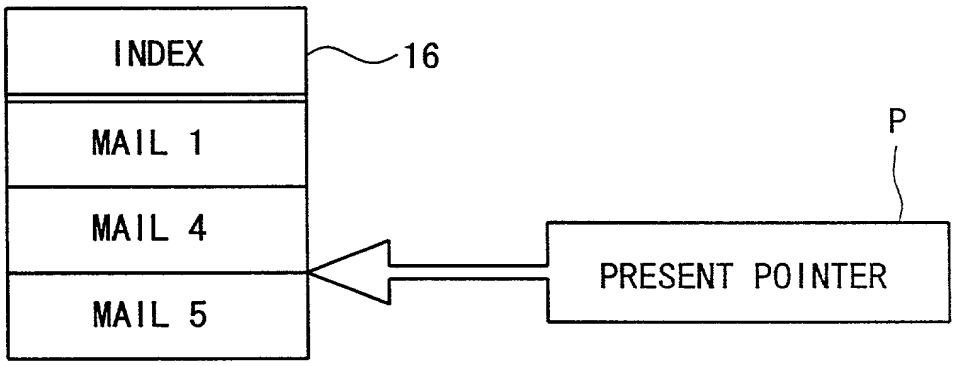


*FIG. 5*

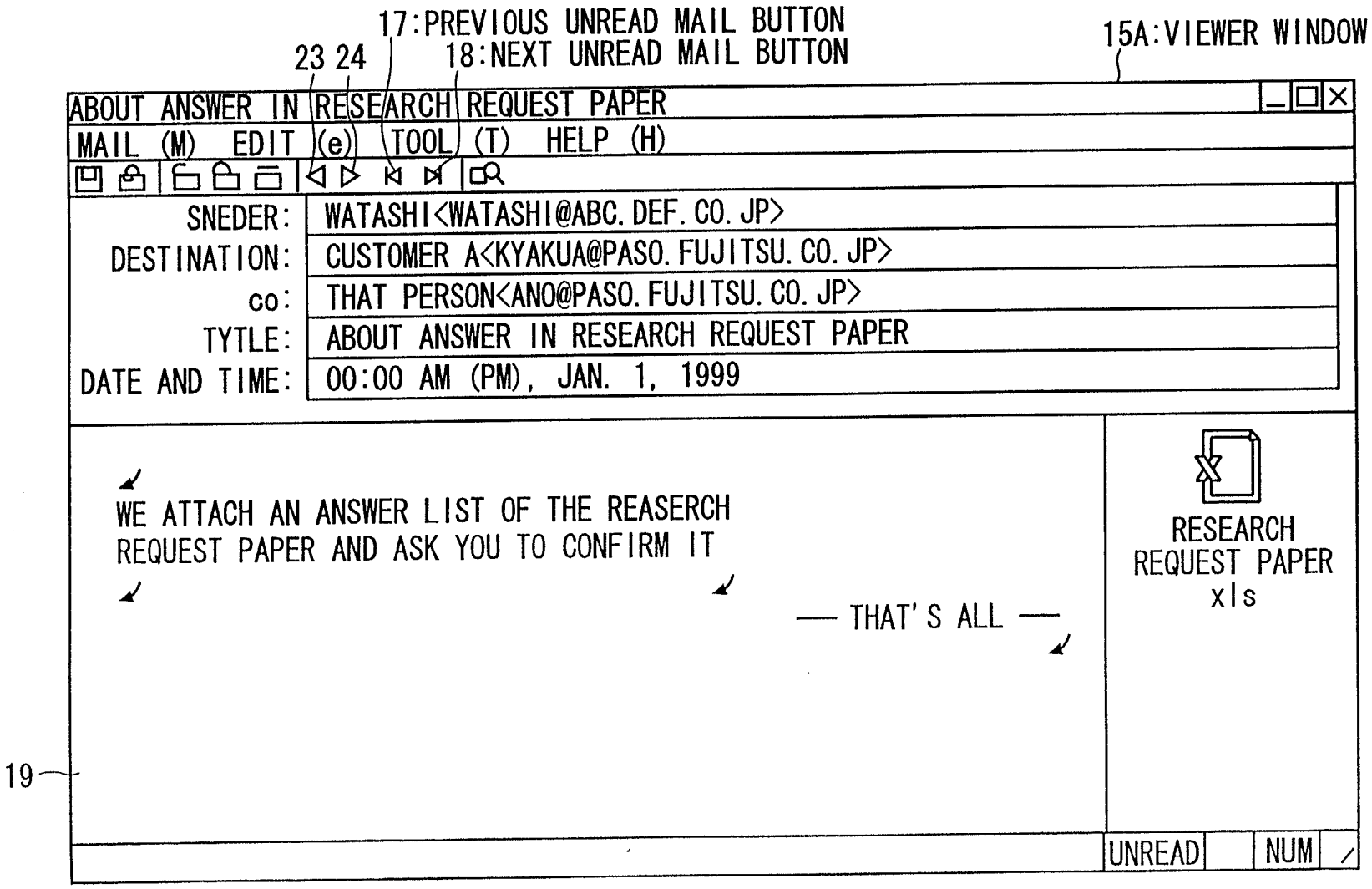

17:PREVIOUS UNREAD MAIL BUTTON
18:NEXT UNREAD MAIL BUTTON
23 24
15A:VIEWER WINDOW
ABOUT ANSWER IN RESEARCH REQUEST PAPER
MAIL (M) EDIT (e) TOOL (T) HELP (H)
SNEDER: WATASHI<WATASHI@ABC.DEF.CO.JP>
DESTINATION: CUSTOMER A<KYAKUA@PASO.FUJITSU.CO.JP>
co: THAT PERSON<ANO@PASO.FUJITSU.CO.JP>
TYTLE: ABOUT ANSWER IN RESEARCH REQUEST PAPER
DATE AND TIME: 00:00 AM (PM), JAN. 1, 1999
WE ATTACH AN ANSWER LIST OF THE REASERCH
REQUEST PAPER AND ASK YOU TO CONFIRM IT
— THAT'S ALL —
RESEARCH
REQUEST PAPER
xls
UNREAD
NUM
19

*FIG. 6*

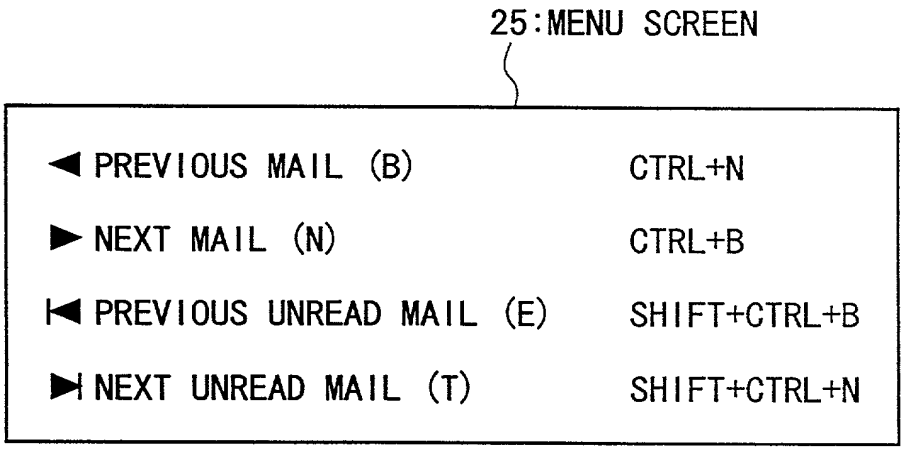

25:MENU SCREEN
◀ PREVIOUS MAIL (B) CTRL+N
▶ NEXT MAIL (N) CTRL+B
|◀ PREVIOUS UNREAD MAIL (E) SHIFT+CTRL+B
▶| NEXT UNREAD MAIL (T) SHIFT+CTRL+N

*FIG. 7*

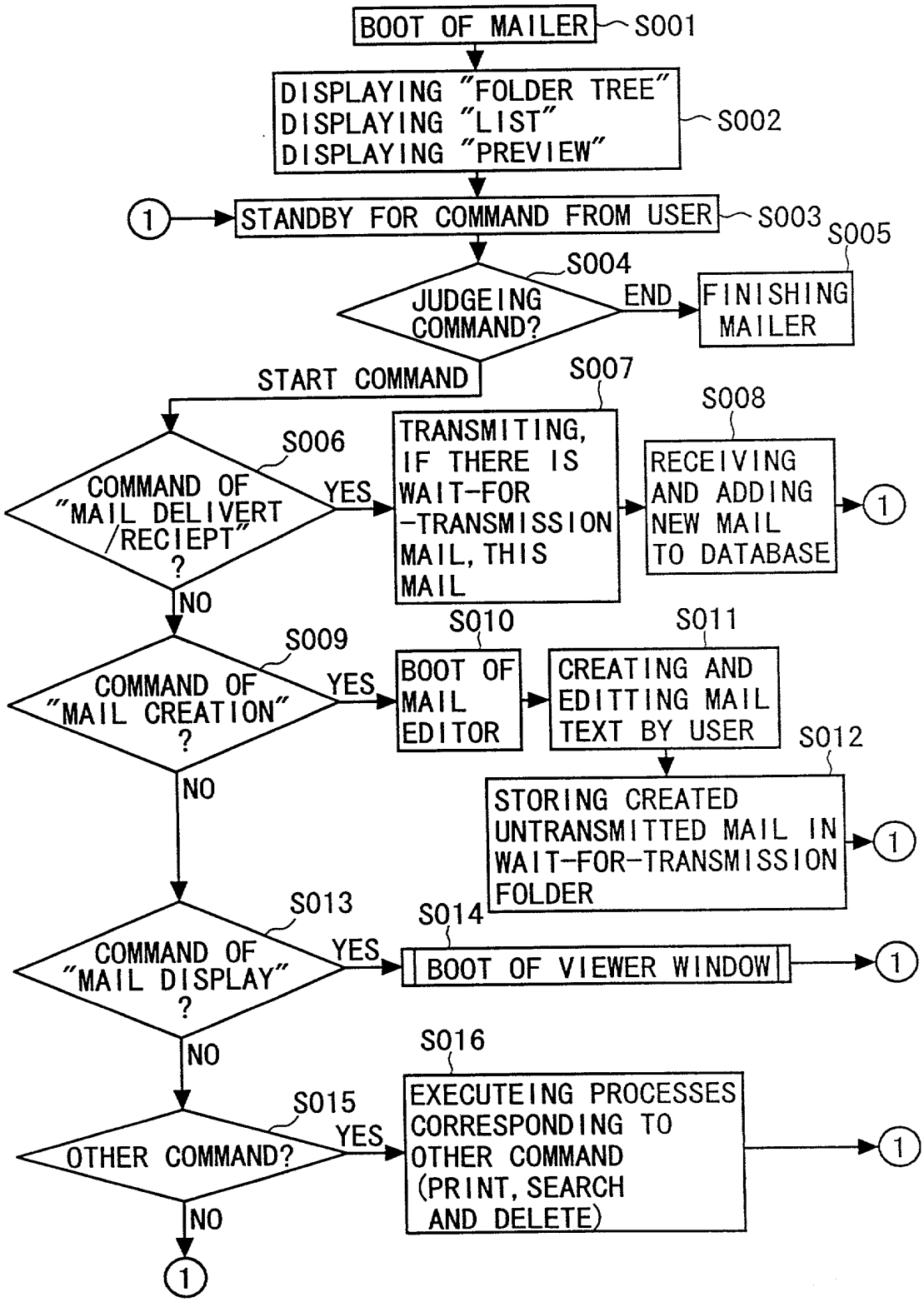

BOOT OF MAILER
S001
DISPLAYING "FOLDER TREE"
DISPLAYING "LIST"
DISPLAYING "PREVIEW"
S002
1
STANDBY FOR COMMAND FROM USER
S003
S004
JUDGEING COMMAND?
END
S005
FINISHING MAILER
START COMMAND
S006
COMMAND OF "MAIL DELIVERT /RECIEPT" ?
YES
S007
TRANSMITING, IF THERE IS WAIT-FOR -TRANSMISSION MAIL, THIS MAIL
S008
RECEIVING AND ADDING NEW MAIL TO DATABASE
1
NO
S009
COMMAND OF "MAIL CREATION" ?
YES
S010
BOOT OF MAIL EDITOR
S011
CREATING AND EDITTING MAIL TEXT BY USER
S012
STORING CREATED UNTRANSMITTED MAIL IN WAIT-FOR-TRANSMISSION FOLDER
1
NO
S013
COMMAND OF "MAIL DISPLAY" ?
YES
S014
BOOT OF VIEWER WINDOW
1
NO
S015
OTHER COMMAND?
YES
S016
EXECUTEING PROCESSES CORRESPONDING TO OTHER COMMAND (PRINT, SEARCH AND DELETE)
1
NO
1

*FIG. 8*

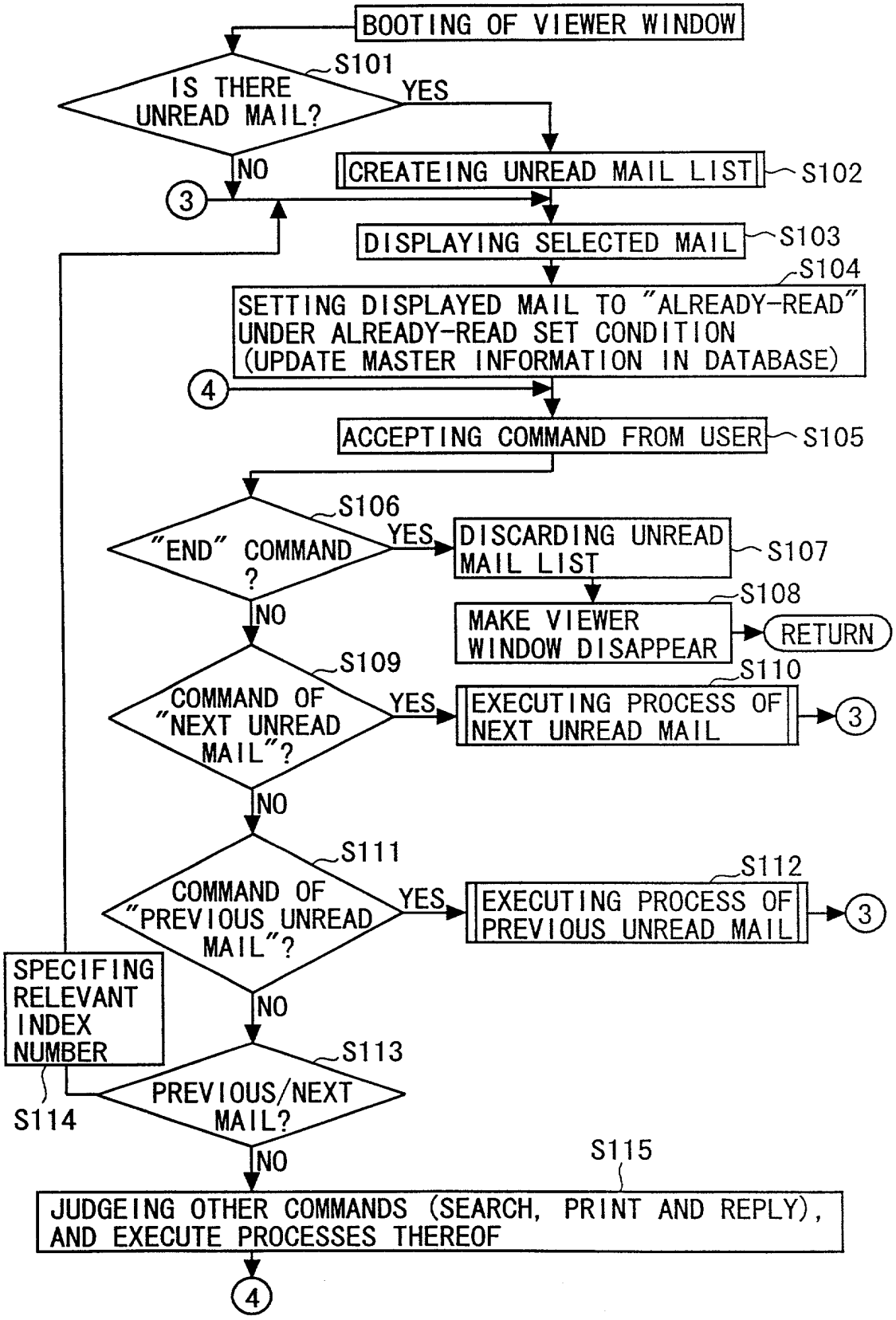

BOOTING OF VIEWER WINDOW
S101
IS THERE UNREAD MAIL?
YES
NO
CREATEING UNREAD MAIL LIST
S102
3
DISPLAYING SELECTED MAIL
S103
S104
SETTING DISPLAYED MAIL TO "ALREADY-READ" UNDER ALREADY-READ SET CONDITION (UPDATE MASTER INFORMATION IN DATABASE)
4
ACCEPTING COMMAND FROM USER
S105
S106
"END" COMMAND ?
YES
DISCARDING UNREAD MAIL LIST
S107
NO
S108
MAKE VIEWER WINDOW DISAPPEAR
RETURN
S109
COMMAND OF "NEXT UNREAD MAIL"?
YES
S110
EXECUTING PROCESS OF NEXT UNREAD MAIL
3
NO
S111
COMMAND OF "PREVIOUS UNREAD MAIL"?
YES
S112
EXECUTING PROCESS OF PREVIOUS UNREAD MAIL
3
NO
SPECIFING RELEVANT INDEX NUMBER
S113
PREVIOUS/NEXT MAIL?
S114
NO
S115
JUDGEING OTHER COMMANDS (SEARCH, PRINT AND REPLY), AND EXECUTE PROCESSES THEREOF
4

*FIG. 9*

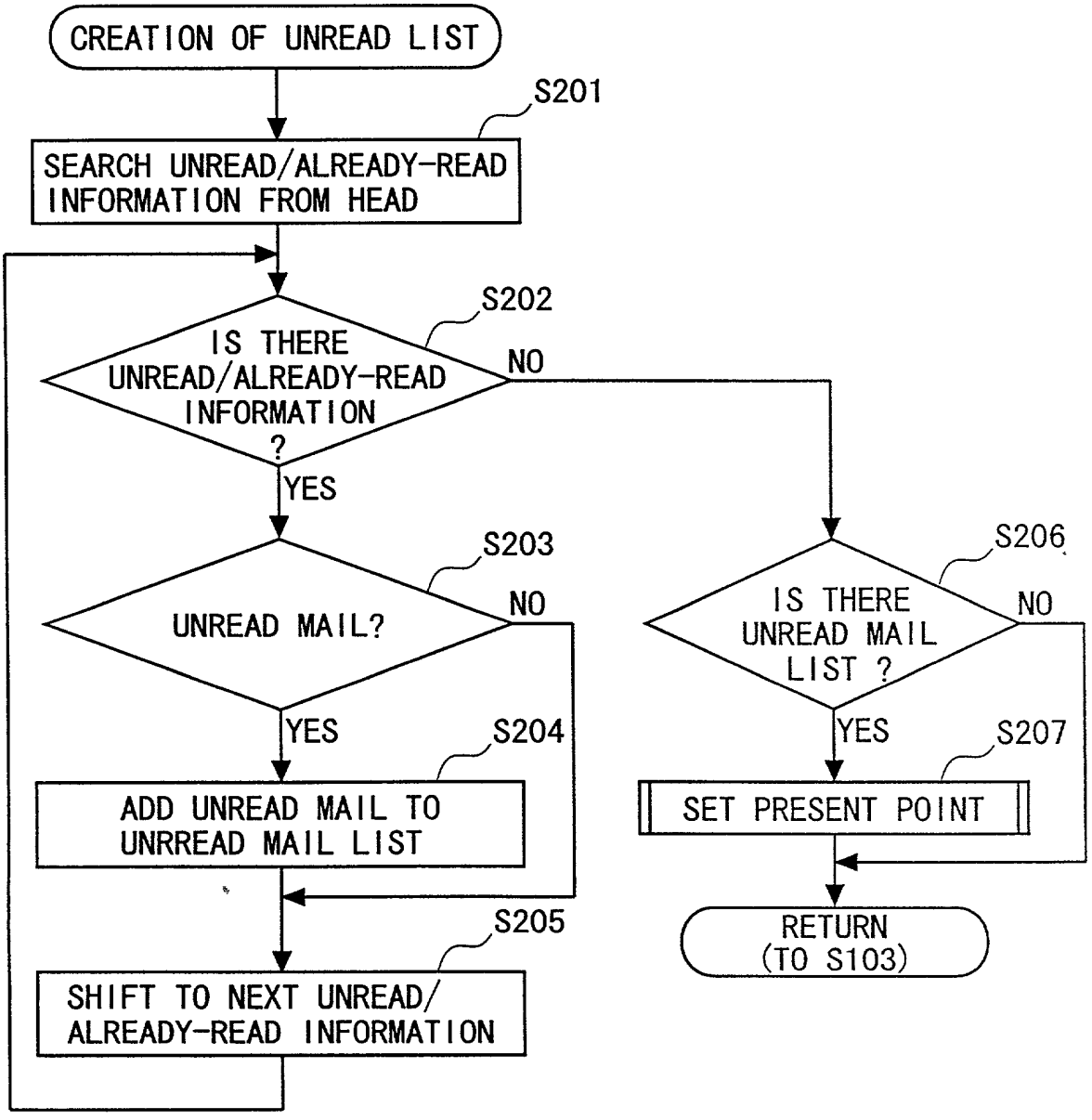

CREATION OF UNREAD LIST
S201
SEARCH UNREAD/ALREADY-READ INFORMATION FROM HEAD
S202
IS THERE UNREAD/ALREADY-READ INFORMATION ?
NO
YES
S203
UNREAD MAIL?
NO
YES
S204
ADD UNREAD MAIL TO UNRREAD MAIL LIST
S205
SHIFT TO NEXT UNREAD/ ALREADY-READ INFORMATION
S206
IS THERE UNREAD MAIL LIST ?
NO
YES
S207
SET PRESENT POINT
RETURN (TO S103)

*FIG. 10*

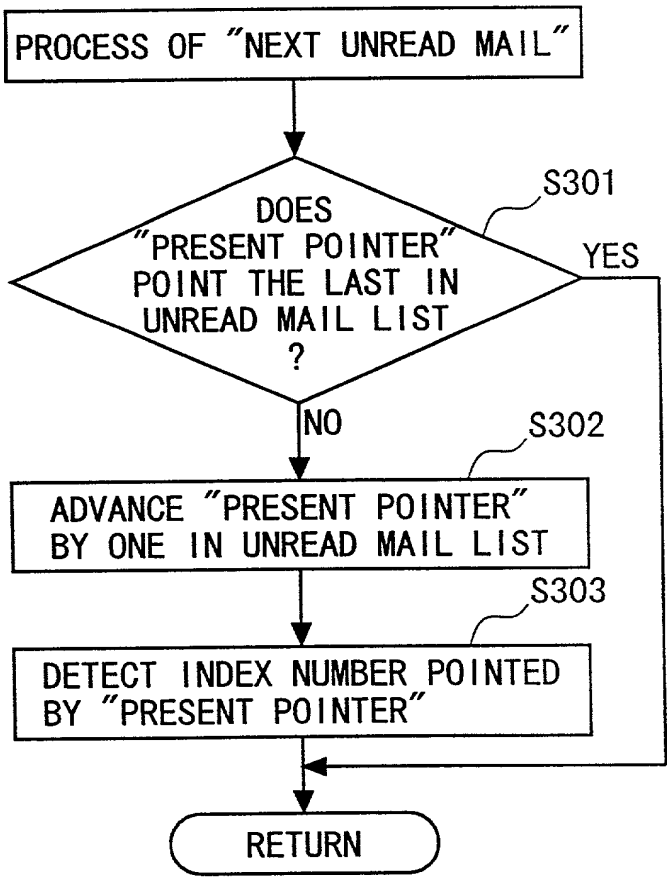

PROCESS OF "NEXT UNREAD MAIL"
DOES "PRESENT POINTER" POINT THE LAST IN UNREAD MAIL LIST ?
S301
YES
NO
S302
ADVANCE "PRESENT POINTER" BY ONE IN UNREAD MAIL LIST
S303
DETECT INDEX NUMBER POINTED BY "PRESENT POINTER"
RETURN

*FIG. 11*

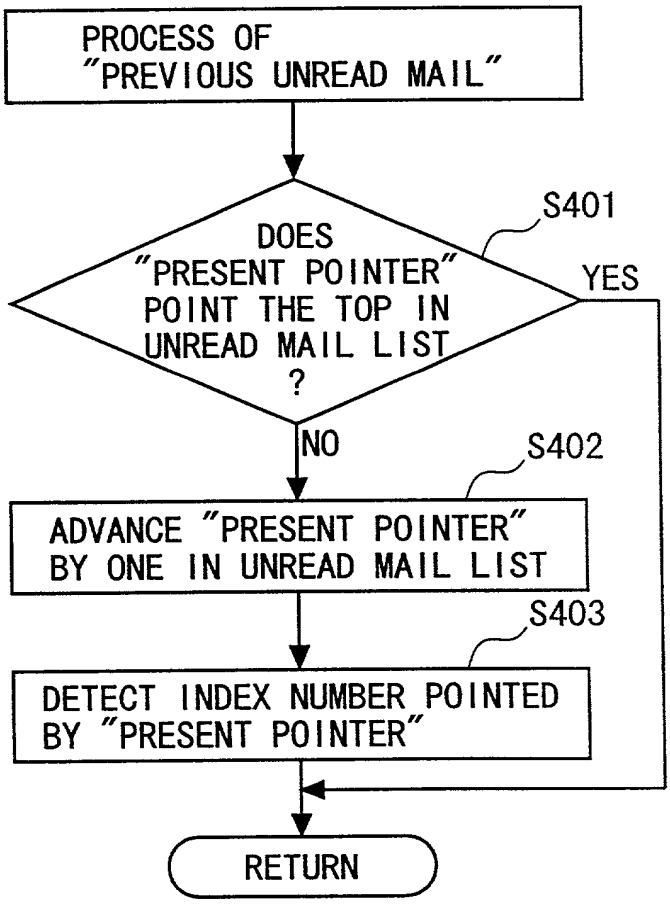

PROCESS OF "PREVIOUS UNREAD MAIL"
S401
DOES "PRESENT POINTER" POINT THE TOP IN UNREAD MAIL LIST ?
YES
NO
S402
ADVANCE "PRESENT POINTER" BY ONE IN UNREAD MAIL LIST
S403
DETECT INDEX NUMBER POINTED BY "PRESENT POINTER"
RETURN

*FIG. 12*

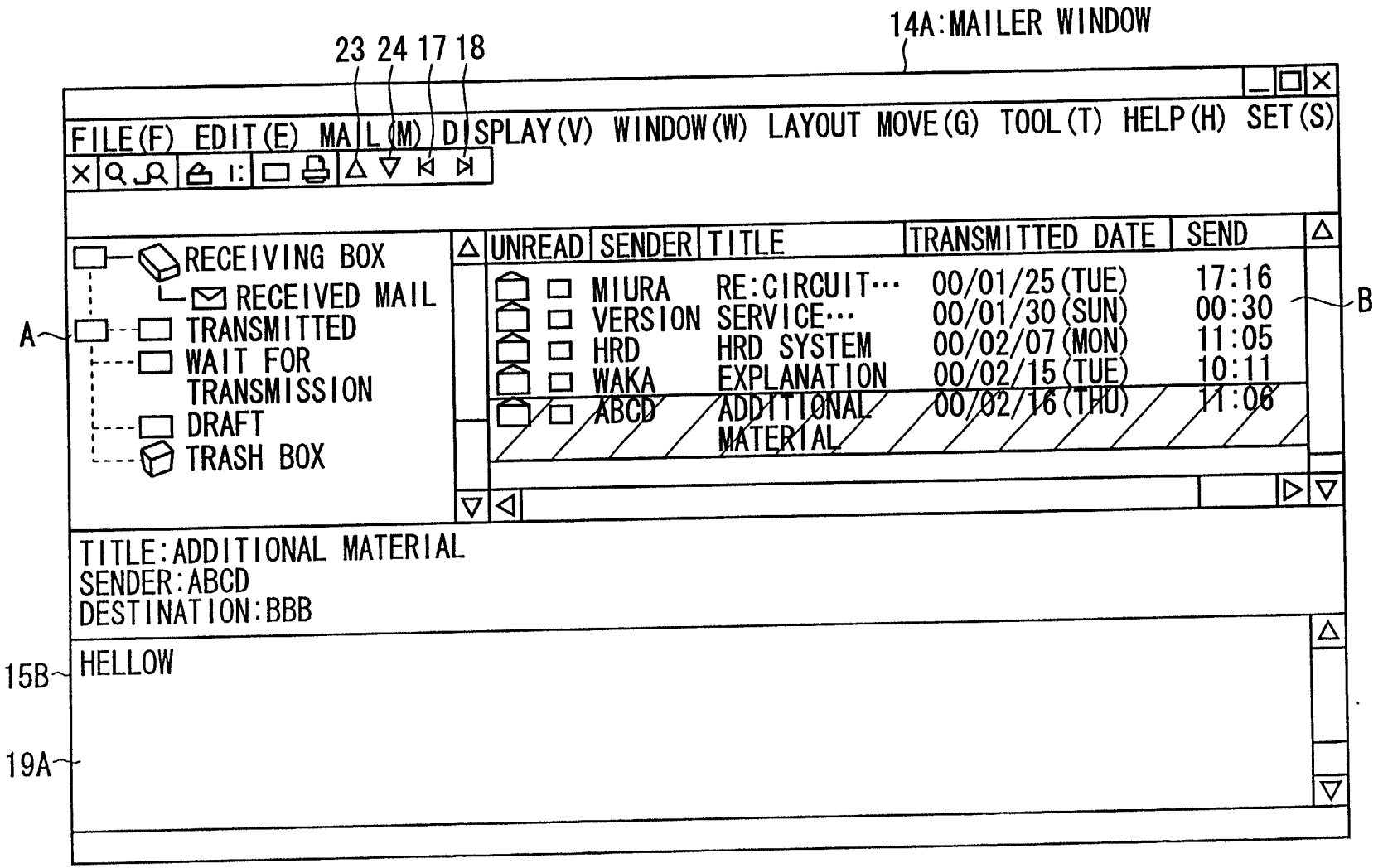

14A:MAILER WINDOW
23 24 17 18
FILE(F) EDIT(E) MAIL(M) DISPLAY(V) WINDOW(W) LAYOUT MOVE(G) TOOL(T) HELP(H) SET(S)
RECEIVING BOX
RECEIVED MAIL
TRANSMITTED
WAIT FOR TRANSMISSION
DRAFT
TRASH BOX
A
UNREAD SENDER TITLE TRANSMITTED DATE SEND
MIURA RE:CIRCUIT··· 00/01/25(TUE) 17:16
VERSION SERVICE··· 00/01/30(SUN) 00:30
HRD HRD SYSTEM 00/02/07(MON) 11:05
WAKA EXPLANATION 00/02/15(TUE) 10:11
ABCD ADDITIONAL MATERIAL 00/02/16(THU) 11:06
B
TITLE:ADDITIONAL MATERIAL
SENDER:ABCD
DESTINATION:BBB
15B
HELLOW
19A

*FIG. 13*

PRIOR ART

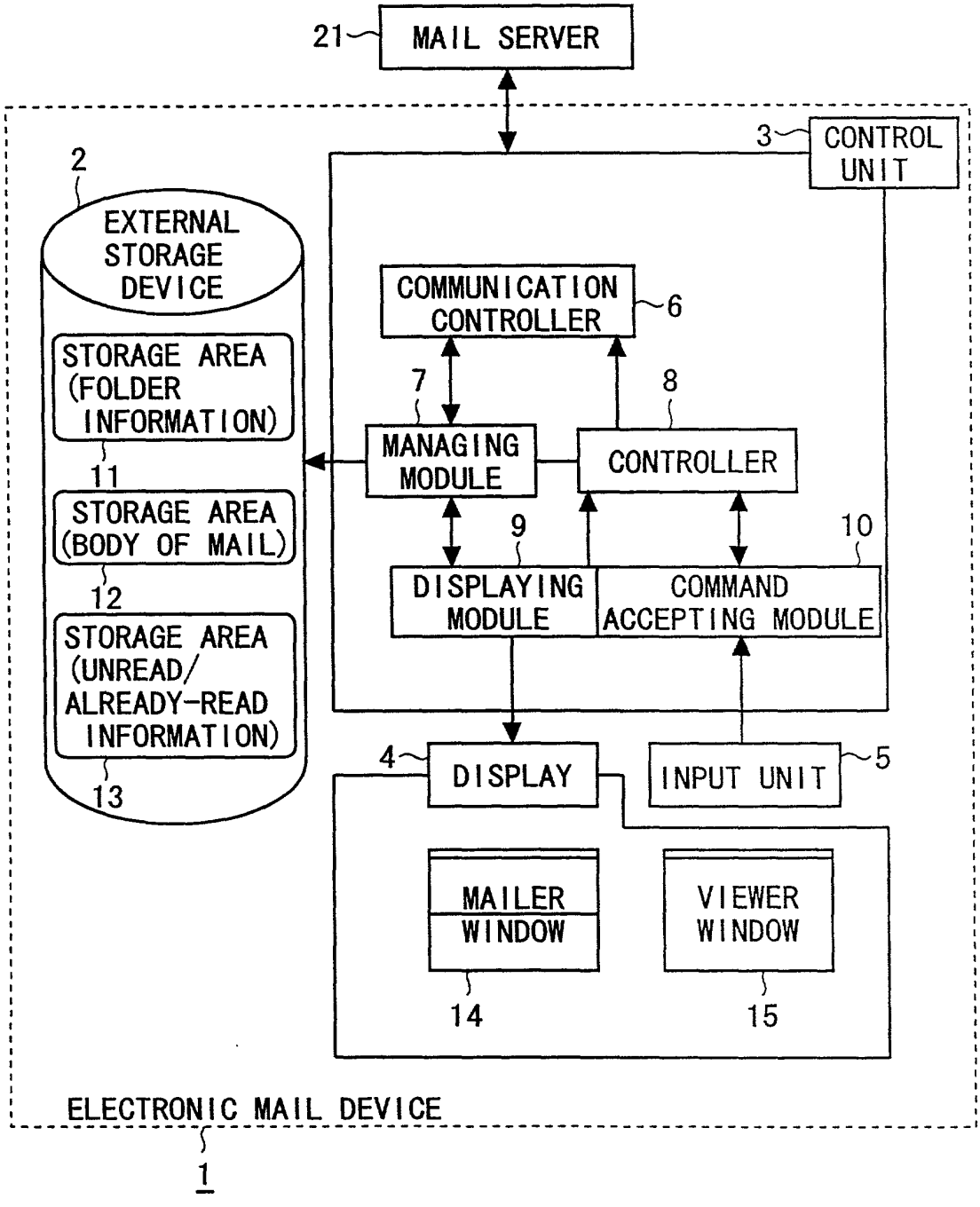
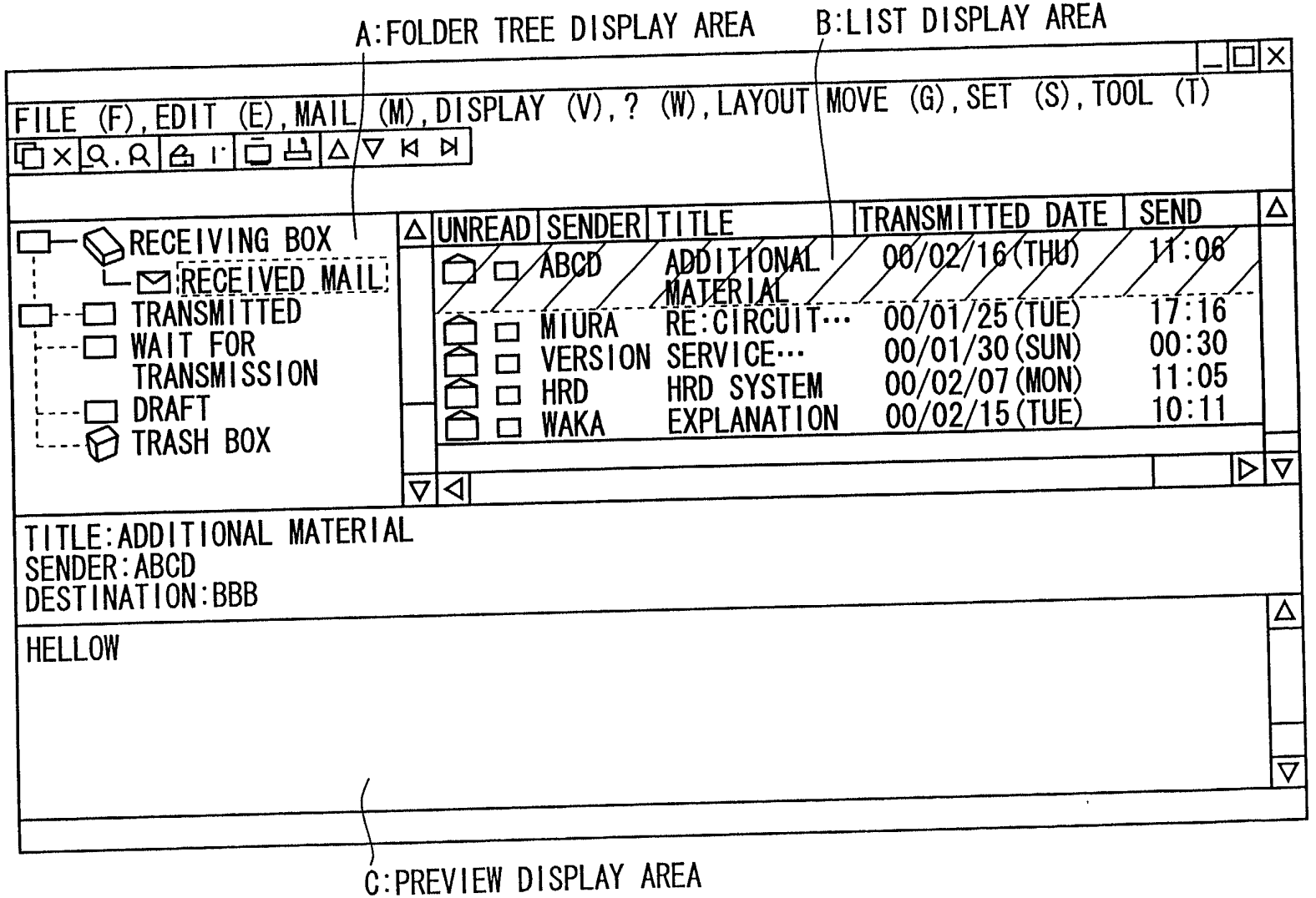


*FIG. 14*

PRIOR ART